

Converting Colors

$Y_{xy}(12.2004, 0.2930, 0.5748)$

Have a look what the booklet for
Yxy(12.2004, 0.2930, 0.5748)
contains.

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Color

Yxy(12.0926, 0.2931, 0.5752)

Conversions

Conversions Part 1

Format	Color
Hex	007216
RGB	0, 114, 22
RGB Percent	0%, 45%, 9%
CMY	1.0000, 0.5529, 0.9137
CMYK	1.00, 0.00, 0.81, 0.55
HSL	132°, 100%, 22%
HSV	132°, 100%, 45%
XYZ	6.1619, 12.0926, 2.7688
YIQ	69.4260, -38.4120, -52.7800

Conversions

Conversions Part 2

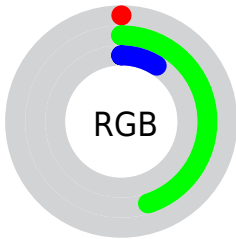
Format	Color
RYB	0, 96, 114
Decimal	29206
CIELab	41.36, -46.39, 40.09
CIELCh	41, 61.314, 139.169
Yxy	12.0926, 0.2931, 0.5752
Android (android.graphics.Color)	4278219286 (0xFF007216)
YUV	69.4260, -23.3810, -60.8866
Hunter-Lab	34.7744, -29.2255, 19.6214

Details

The Yxy color **12.0926, 0.2931, 0.5752** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3502, 0.3740, 0.1834**, and the grayscale version is **6.0693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6550, 0.3065, 0.5049**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.0933, 0.2931, 0.5752**, and if you desaturate by 10%, it is **12.2093, 0.2921, 0.5562**.

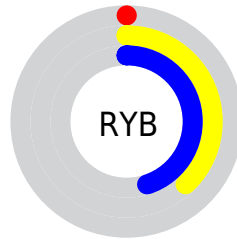
Distribution



Red (0%)

Green (45%)

Blue (9%)



Red (0%)

Yellow (38%)

Blue (45%)

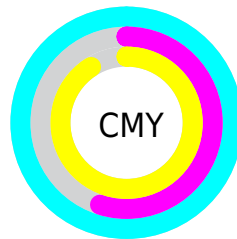


Cyan (100%)

Magenta (0%)

Yellow (81%)

Black (55%)



Cyan (100%)


Magenta (55%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0926, 0.2931, 0.5752 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.0926, 0.2931, 0.5752 by changing the saturation by 10% instead.


 12.0926, 0.2931,
0.5752


 12.0926, 0.2931,
0.5752


205.0174, 0.3145,
0.4154


 6.8068, 0.2772,
0.6320


 29.6636, 0.3064,
0.5053


 3.3416, 0.2554,
0.7446

 42.7177, 0.3094,
0.4829

 1.3125, 0.0459,
0.9541

 59.1298, 0.3112,
0.4653

 0.1509, 0.0000,
1.0000

 79.2846, 0.3124,
0.4513

 0.0000, 0.0000,
0.0000

 103.5664, 0.3133,
0.4398

 132.3595, 0.3138,

0.4303


 166.0483, 0.3142,
0.4222


 12.0926, 0.2931,
0.5752


 12.0926, 0.2931,
0.5752

 12.0933, 0.2931,
0.5752

 12.2093, 0.2921,
0.5562

 12.3711, 0.2912,
0.5332

 12.6058, 0.2914,
0.5066

 12.9207, 0.2928,
0.4782

 13.3227, 0.2950,
0.4493

■ 13.8175, 0.2980,
0.4212

■ 14.4106, 0.3015,
0.3947

■ 15.1070, 0.3052,
0.3704

■ 15.9113, 0.3089,
0.3485

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.0926, 0.4061, 0.5512



12.0926, 0.2931, 0.5752



12.0926, 0.1903, 0.4625

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.0926, 0.2931, 0.5752



12.0926, 0.1295, 0.1573



12.0926, 0.5355, 0.2997

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.0926, 0.2931, 0.5752



4.3502, 0.3740, 0.1834

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.0926, 0.4208, 0.2302



12.0926, 0.2931, 0.5752



12.0926, 0.1837, 0.1528

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.0926, 0.2931, 0.5752



12.0926, 0.1116, 0.1996



12.0926, 0.2836, 0.1781



12.0926, 0.5619, 0.3767

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.0926, 0.2931, 0.5752



12.0926, 0.1434, 0.3504



12.0926, 0.2836, 0.1781



12.0926, 0.5050, 0.2755

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.0933, 0.2931, 0.5752



25.2355, 0.3012, 0.3967



14.3678, 0.3886, 0.5296



5.7552, 0.3000, 0.4050



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.0933, 0.2931, 0.5752



21.2350, 0.2941, 0.5788



12.5840, 0.2530, 0.4309



3.7728, 0.3093, 0.3464



13.4593, 0.2933, 0.5760



66.9472, 0.2954, 0.5834

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.3502, 0.3740, 0.1834



7.6268, 0.3756, 0.1843



3.7056, 0.5595, 0.2856



3.4430, 0.3163, 0.3122



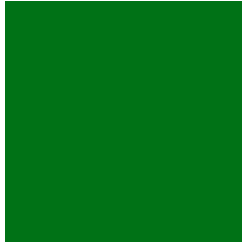
4.8400, 0.3744, 0.1836



23.9890, 0.3779, 0.1855

Previews

White Background



This preview shows how the Yxy color 12.0926, 0.2931, 0.5752 looks on a white background.

Color Contrast Check

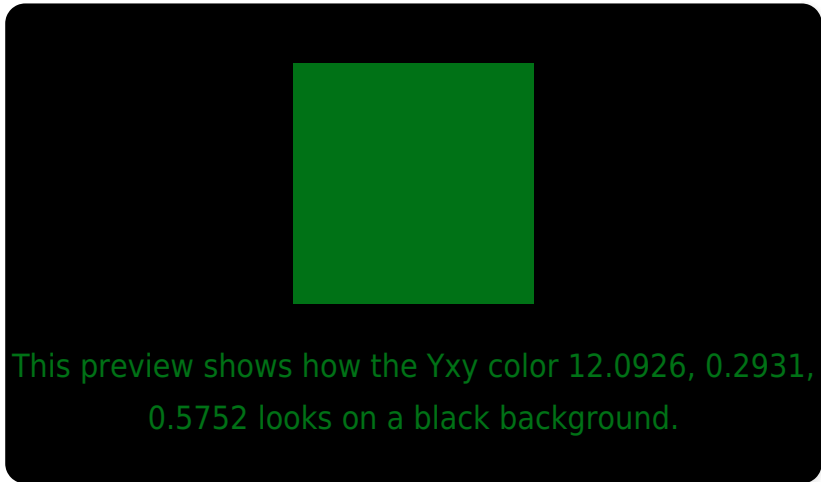
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.0926, 0.2931, 0.5752

Background



This preview shows how black text looks on a background with the Yxy color 12.0926, 0.2931, 0.5752.



This preview shows how white text looks on a background with the Yxy color 12.0926, 0.2931, 0.5752.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.0926, 0.2931, 0.5752

Protanopia

12.0940, 0.4306, 0.4774

Deuteranopia

12.0706, 0.4465, 0.4417



Tritanopia

12.1502, 0.2377, 0.3065

Trichromacy



Original Color

12.0926, 0.2931, 0.5752

Protanomaly

11.2497, 0.3577, 0.5299

Deuteranomaly

11.0109, 0.3669, 0.5047

Tritanomaly

11.8074, 0.2586, 0.4076

Monochromacy



Original Color

12.0926, 0.2931, 0.5752

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

7.2804, 0.2959, 0.4390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0926, 0.2931, 0.5752 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 114, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 114, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.0926, 0.2931, 0.5752 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 114, 22) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 114, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 114, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0926, 0.2931, 0.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 114,  
22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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